10/522699

Rec'd PCT/PTO 2 7 JAN 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 5 February 2004 (05.02.2004)

(10) International Publication Number WO 2004/011031 A1

(51) International Patent Classification7: A61P 25/18

A61K 45/06,

(71) Applicant (for all designated States except US): PO-TOMAC, PHARMA, INC. [US/US]; 6500 Seven Locks

(21) International Application Number:

PCT/US2003/023440

(22) International Filing Date: 28 July 2003 (28.07.2003)

(25) Filing Language:

(30) Priority Data:

English

(26) Publication Language:

English

•		
60/398,718	29 July 2002 (29.07.2002)	US
60/398,719	29 July 2002 (29.07.2002)	US
60/398,720	29 July 2002 (29.07.2002)	US
60/402,542	12 August 2002 (12.08.2002)	US
60/433,781	17 December 2002 (17.12.2002)	US
60/433,782	17 December 2002 (17.12.2002)	US
60/433,785	17 December 2002 (17.12.2002)	US

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier applications:

US .	60/398,718 (CON)		
Filed on	Not furnished		
US	60/398,719 (CON)		
Filed on	Not furnished		
US	60/398,720 (CON)		
Filed on	Not furnished		
US	60/402,542 (CON)		
Filed on	Not furnished		
US	60/433,781 (CON)		
Filed on	Not furnished		
US	60/433,782 (CON)		
Filed on	Not furnished		
US	60/433,785 (CON)		
Filed on	Not furnished		

Road, Cabin John, MD 20618 (US).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): PICKAR, David [US/US]; 4915 Dorset Avenue, Chevy Chase, MD 20815 (US). WADENBERG, Marie-Louise [SE/SE]; Karolinska Institute, Stockholm, SE-17177 (SE). SVENSSON, Torgny [SE/SE]; Ringvagen 9, S-181 33 Lidingo (SE).
- (74) Agents: ELRIFI, Ivor, R. et al.; Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C, 666 Third Avenue, New York, NY 10017 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, TD, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, I.K, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GII, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ANTIPSYCHOTIC COMBINATION THERAPIES AND COMPOSITIONS OF AN ALPHA-2 ADRENERGIC RE-CEPTOR ANTAGONIST AND AN ATYPICAL ANTIPSYCHOTIC NEUROLEPTIC

(57) Abstract: The present invention provides novel antipsychotic therapies and compositions useful therein and provides methods for identifying new candidate molecules for the treatment of psychosis based on the proportional binding affinities for α2 adrenergic and D2 dopamine receptors.

